

SPECIFICATION AMENDMENTS

Please amend the paragraph starting on page 7, line 9 as follows:

To illustrate, Figure 1 is a cross-section illustrating generally one embodiment of an optical device 101 including an optical waveguide 103 disposed in semiconductor material 111. In one embodiment, the core of optical waveguide 103 disposed in semiconductor material 111 includes intrinsic silicon. As shown in the depicted embodiment, optical waveguide 103 includes an active region 105 that is electrically isolated from the passive regions 107 of the optical waveguide 103. In one embodiment, optical device 101 includes an insulating region 109 disposed in the semiconductor material 111 to electrically isolate the active region 105 from the ~~active~~ passive regions 107 of optical waveguide 103. In one embodiment, insulating region 109 includes silicon nitride.